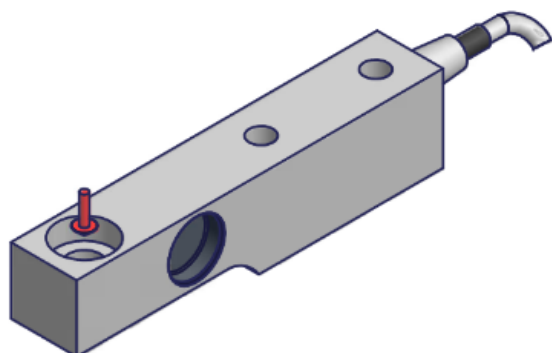


FX

Shear beam load cell

1. Product description

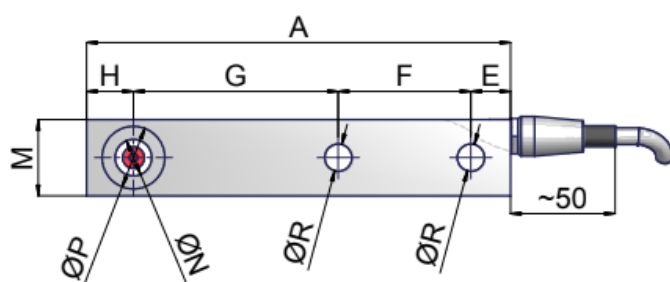
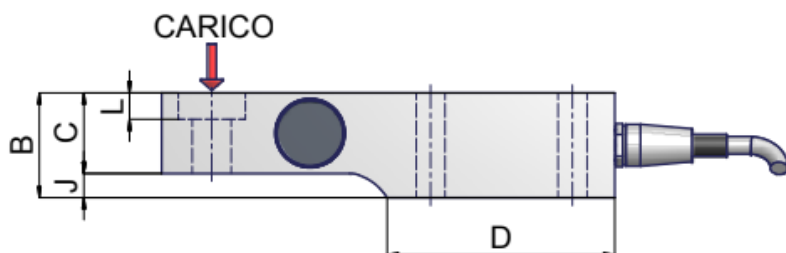


- 1 Capacities from 1000 kg to 20000 kg
- 2 Stainless steel construction
- 3 Hermetically sealed, protection IP68 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 3000 d
- 6 On request ATEX e IECEx version

2. Applications

The shear beam load cells mod. FX are mainly used in the construction of weighing system with low capacity range like: batching system for industrial products; weighing platform; weighing system for hopper, tank, etc. Available on request different mounting accessories such as: fixing plates, elastomers (anti-vibration mounts) and adjustable support feet.

3. Dimensions (mm.)



Portata t	A	B	C	D	E	F	G	H	J	L	M	N	P	R	Std	OIML	ATEX
1 - 2 - 3 t	203	47,50	36,50	102	19,00	63,50	98,00	22,50	11	12,00	36,50	17,50	30,00	13,00	✓	✓	✓
5 t	235	70,00	48,00	118	20,50	66,50	124,00	24,00	22	16,00	47,60	25,50	41,00	22,50	✓	✓	✓
7,5 t - 10 t	280	82,50	63,50	140	25,50	82,50	140,00	32,00	19	20,50	60,00	32,00	56,30	27,00	✓	✓	✓
15 - 20 t	318	95,00	68,00	159	31,70	89,00	159,30	38,00	27	22,00	69,00	38,00	62,00	34,00	✓	✓	✓

FX

Shear beam load cell

4. Product features

Accuracy class	Standard	OIML C3
Capacities fs (E _{max})	1000÷20000 kg	1000÷20000 kg
Rated output (C _n)	2 mV/V ± 0,1%	2 mV/V ± 0,1%
Y = E _{max} /V _{min}	//	10000
Nominal excitation range	5 ÷ 10V	5 ÷ 10V
Maximum excitation	15V	15V
Zero balance output	± 0,02 mV/V	± 0,02 mV/V
Input resistance	400 ± 25 Ω	400 ± 25 Ω
Output resistance	350 ± 2 Ω	350 ± 2 Ω
Insulation resistance	> 5 GΩ	> 5 GΩ
Combined error	<± 0,030% fs	<± 0,022% fs
Non repeatability	<± 0,015% fs	<± 0,008% fs
Creep 30 min.	<± 0,030% fs	<± 0,024% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs	<± 0,018% fs
Temperature effect on rated output (5°C)	<± 0,008% fs	<± 0,003% fs
Compensated temperature range	-10°C ÷ +40°C	-10°C ÷ +40°C
Operating temperature range	-15°C ÷ +70°C	-15°C ÷ +70°C
Maximum safe load	150% fs	150% fs
Ultimate load	>300% fs	>300% fs
Protection class (EN60529)	IP68	IP68
Material	Stainless steel	Stainless steel
Displacement at nominal load	0,30 ÷ 0,90 mm	0,30 ÷ 0,90 mm
Fixing screws tightening torque	(M12) 60 Nm (M20) 300 Nm (M24) 500 Nm	(M12) 60 Nm (M20) 300 Nm (M24) 500 Nm
Weight	~ 2,2 ÷ 4,5 kg	~ 2,2 ÷ 4,5 kg
Cable lenght	5m - 6 x 0,35 mm ²	5m - 6 x 0,35 mm ²
OIML R60 test certificate number	//	E - 08.02.C06

5. Wire diagram

